

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examination

7480 Topographical Drawing 1

JUNE XXXX

ADVANCED LEVEL

Specialty(Specialty Code)	
Centre No.	
Centre Name	
Candidate No.	
Candidate Name	

Mobile phones are **NOT** allowed in the examination room

7480 Topographical Drawing 1: MULTIPLE CHOICE QUESTION PAPER

One and a half hours

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Before the examination begins:

3. Check that this question booklet is headed **Advanced Level – 7480 Topographical Drawing**
4. Insert the information required in the spaces above.
5. Insert the information required in the spaces provided on the answer sheet using your HB pen
Candidate Name, Exam Session, Subject Code, Centre Number and Candidate Name
care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions.
6. **Answer ALL questions**
7. Each question has FOUR suggested answers: **A, B, C** and **D**. Decide on which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.
For example, if **C** is your correct answer, mark **C** as shown below:
[A] [B] [C] [D]
8. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
9. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
10. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
11. Texts, notes and pre-prepared materials of any kind are also **NOT** allowed in the examination room.
12. **At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet after. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.**



Turn Over

XXXX/7480/1/C

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1. GIS uses information from which of the following sources?

A	Non- spatial information system
B	Spatial information system
C	Global information system
D	Position information system

2. Among the following components, which can be expressed as an example of hardware component in GIS?

A	Keyboard
B	Arc GIS
C	Auto CAD
D	Digitalization

3. Which of the following formats can be used for GIS output?

A	DXF
B	PDF
C	GIF
D	HTML

4. Which among the following is a server-based hardware platform of GIS?

A	Autodesk Revit
B	STAAD Pro
C	Arc GIS
D	Google-maps

5. A plan or map is oriented towards:

A	The east pole
B	The south Pole
C	The north Pole
D	The west pole

6. Which of the following indicates the correct set of M's used in case of GIS?

A	Manipulating, monitoring, mapping, modeling
B	Measuring, manipulating, mapping, modeling
C	Measuring, monitoring, marketing, modeling
D	Measuring, monitoring, mapping, modeling

7. Mapping involves which of the following?

A	Soil details
B	Boundary details
C	Cadastral details
D	Population details

8. In which aspect of agriculture is GIS used.

A	Soil analysis
B	Seed requirement
C	Fertilizer
D	Pesticides

9. Which of the following software can be used in case of property tax assessment?

A	STAAD Pro
B	Revit
C	Remote sensing
D	GIS

10. Which of the following software's are used for developing vehicle route?

A	Autodesk Revit
B	STAAD Pro
C	GIS
D	Remote sensing

11. Which of the following represents the correct set of coordinate classification in GIS?

A	Spherical, projected systems
B	Geographic, projected systems
C	Geographic, spherical systems
D	Geographic, geometric systems

12. Longitudes are used to represent which of the following directions?

A	North-East
B	South
C	North
D	East

13. The sum of angles in a triangle equals?

A	180°
B	120°
C	90°
D	45°

14. The scale rule is a tool use in measuring distances?

A	On land
B	On a map
C	On a drawing board
D	On a photograph

15. Which tool can be used to construct a 90 degree angle on a plan?

A	protractor
B	Theodolite
C	optical square
D	French curve

16. Which line type is part of a dimension?

A	Break lines.
B	Phantom lines.
C	Extension lines
D	Cutting plane lines

17. Which type of line is particular to section drawings?

A	Break lines.
B	Phantom lines.
C	Extension lines.
D	Cutting plane lines.

18. Which line type is thin and light?

A	Visible lines.
B	Centre line.
C	Construction line.
D	Hidden line.

19. When making the letters of a line of text narrower, set it's?

A	Aspect.
B	Scale
C	Alignment
D	Font.

20. The primary unit of measurement for engineering drawing and design in the mechanical industries is the?

A	Millimeter.
B	Centimeter.
C	Meter.
D	Kilometer.

21. To draw a leader line, which type of the following line is used?

A	Continuous thick line.
B	Long chain thin line.
C	Continuous thin wavy line.
D	Continuous line.

22. Which line type is thick and black?

A	Visible lines.
B	Centre line.
C	Construction line.
D	Hidden line.

23. Which of the following pencil leads is hardest?

A	HB.
B	H.
C	B
D	F

24. To draw smooth curves of any nature, drafting instrument used is?

A	Mini-drafter.
B	French curve.
C	Templates.
D	Eraser shield.

25. Parallel lines can be drawn with the help of?

A	Mini-drafter.
B	T-square.
C	Pair of set squares.
D	Protractor.

26. When the drawings are drawn smaller than the actual size of the object, then the scale is known as?

A	Reduced scale.
B	Enlarged scale.
C	Full scale.
D	Transverse scale.

27. If 10m length is represented as 1mm on the map, the representative fraction is?

A	1/100.
B	1/1000.
C	1/10
D	1/10000

28. The full form of R.F is?

A	Reducing fraction.
B	Representative fraction.
C	Representation factor.
D	Reducing factor.

29. A map of 10cm x 8cm represents an area of 50000m² of a field. The R.F of the scale is?

A	1/25
B	1/625
C	1/2500
D	1/6250000

30. The offset of boarder lines from the edges of drawing sheet are drawn at?

A	0.5cm
B	0.5m
C	1cm
D	0.1m

31. The gradient of a line on a contour map is +0.024. Represent the gradient in the form 1/N.

A	1/N = 1/40
B	1/N = 1/41.
C	1/N = 1/41.5
D	1/N = 1/41.7

32. The gradient of a line AB is +0.024 on a plan. Represent the gradient of the line AB in degree minutes and seconds.

A	1° 22' 29''.
B	1° 22' 30''.
C	1° 22' 25''.
D	1° 22' 27.5''.

33. In the production of Cadastral plans, which of the software is suitable to use?

A	archiCAD.
B	GIS
C	AutoCAD/Covadis.
D	Microsoft Excel.

34. Topographic plans are produced to show the landscape in?

A	Three-dimensions
B	Two dimensions
C	4 dimensions.
D	Plan dimensions

35. Cadastral plans are drawn to represent land features in?

A	Three-dimensions
B	Two dimensions
C	4 dimensions.
D	Plan dimensions

36. The area of parcels of land in Cadastral survey can be achieved by which of the following software?

A	Google earth.
B	Microsoft Excel.
C	Microsoft word.
D	Piste.

37. A French curve is used to draw:

A	Circle.
B	Ellipse
C	Smooth free form curve.
D	Polygon.

38. Grid coordinates represented on a Cadastral plan occupy which of the following position?

A	Right and bottom frame.
B	Upper and right frame.
C	Upper and left frame.
D	Bottom and left frame.

39. To be able to understand and interpret the complexity of a topographic map, use is made of?

A	The legend.
B	The scale.
C	The north.
D	The map frame

40. A circle will appear on an isometric drawing as a (and)?

A	Ellipse.
B	Cycloid.
C	Circle.
D	Parabola

41. The intersection of a plane surface with the horizontal plane is a line called?

A	Horizontal trace.
B	Vertical trace.
C	Profile trace.
D	Trace.

42. The intersection of a plane surface with the vertical plane is a line called?

A	Horizontal trace.
B	Vertical trace.
C	Profile trace.
D	Trace.

43. Among the following drawing paper sizes, which is representing the size of an A4?

A	21 x 29.7cm.
B	21 x 31cm.
C	21.5 x 29.7cm.
D	21 x 29cm.

44. Among the paper sizes, which is representing A0 Vertical?

A	84 x 118.8cm.
B	84 x 118cm.
C	118 x 84cm.
D	118.8 x 84cm

45. The size of an A1 drawing sheet is?

A	84 x 60cm.
B	84 x 59.4cm
C	84.4 x 59cm
D	84 x 59.7cm

46. The sum of the internal angles of a closed polygon with 5 sides is?

A	$(n+1)180^\circ$
B	$(n-1)180^\circ$
C	$(n-1)180^\circ$
D	$(n+1)180^\circ$

47. The sum of the exterior angles of a closed polygon with 5 sides is?

A	$(n+1)180^\circ$
B	$(n-1)180^\circ$
C	$(n-1)180^\circ$
D	$(n+1)180^\circ$

48. Which among the following triangles has equal sides?

A	Isosceles triangle.
B	Right angle triangle.
C	Equilateral triangle.
D	Compound triangle.

49. A protractor is a drawing tool use in constructing?

A	Distances.
B	Heights.
C	Bisectors.
D	Angles.

50. An equilateral triangle has as length of side to be 25cm. calculate the value of the internal angle.

A	45°
B	60°
C	30°
D	70°

NOW GO BACK AND CHECK YOUR WORK

